

Claims for After-Allowance Amendment under 37 C.F.R. § 1.312 for U.S.S.N. 09/891,865

76. A method for producing a first protein having uridine phosphorylase activity and a second protein having purine nucleoside phosphorylase activity in the same cell, said method comprising culturing a host bacterial cell harboring a plasmid expression vector having the sequence as depicted in SEQ ID NO: 6 or a plasmid expression vector having the sequence as depicted in SEQ ID NO: 15, wherein the proteins are produced.

77. The method of claim 76, further comprising the steps of isolating and purifying the proteins from the host bacterial cell.

78. A method for producing a fusion protein having both uridine phosphorylase activity and purine nucleoside phosphorylase activity, said method comprising culturing a host bacterial cell harboring a plasmid expression vector having the sequence as depicted in SEQ ID NO: 9, wherein the protein is produced.

79. The method of claim 78, further comprising the steps of isolating and purifying the protein from the host bacterial cell.

80. A method for producing a fusion protein having both uridine phosphorylase activity and purine nucleoside phosphorylase activity, said method comprising culturing a host bacterial cell harboring a plasmid expression vector having the sequence as depicted in SEQ ID NO: 10, wherein the protein is produced.

81. The method of claim 80, further comprising the steps of isolating and purifying the fusion protein from the host bacterial cell.